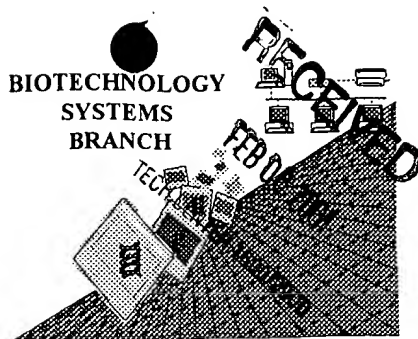


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



P#17

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/209,799C
Source: 1653
Date Processed by STIC: 2/1/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1653

RAW SEQUENCE LISTING DATE: 02/01/2001
 PATENT APPLICATION: US/09/209,799C TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt
 Output Set: N:\CRF3\02012001\I209799C.raw

PPS, 1-2

Does Not Comply
 Corrected Diskette Needed

OK

```

3 <110> APPLICANT: Hermeling, Ronald
4      Hoffmann, James
5      Narasimhan, Chakravarthy
7 <120> TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS
9 <130> FILE REFERENCE: X-10242
11 <140> CURRENT APPLICATION NUMBER: US/09/209,799C
12 <141> CURRENT FILING DATE: 1998-12-11
14 <160> NUMBER OF SEQ ID NOS: 7
16 <170> SOFTWARE: PatentIn version 3.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 31
20 <212> TYPE: PRT
21 <213> ORGANISM: Homo sapiens
23 <400> SEQUENCE: 1
25 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
26 1          5          10          15
28 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
29          20          25          30
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 31
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial
36 <220> FEATURE:
37 <223> OTHER INFORMATION: synthetic construct
39 <220> FEATURE:
40 <221> NAME/KEY: VARIANT
41 <222> LOCATION: (1)..(1)
42 <223> OTHER INFORMATION: Xaa at position 1 is L-histidine, D-histidine, desamino-histidine
43      , 2-amino-histidine, beta-hydroxy-histidine, homohistidine, alpha
44      -fluoromethyl-histidine, and alpha-methyl-histidine
47 <220> FEATURE:
48 <221> NAME/KEY: VARIANT
49 <222> LOCATION: (2)..(2)
50 <223> OTHER INFORMATION: Xaa at position 2 is Ala, Gly, Val, Thr, Met, Ile, and alpha-meth
51      yl Ala?
54 <220> FEATURE:
55 <221> NAME/KEY: VARIANT
56 <222> LOCATION: (15)..(15)
57 <223> OTHER INFORMATION: Xaa at position 15 is Glu, Gln, Ala, Thr, Ser, and Gly
60 <220> FEATURE:
61 <221> NAME/KEY: VARIANT
62 <222> LOCATION: (21)..(21)
63 <223> OTHER INFORMATION: Xaa at position 21 is Glu, Gln, Ala, Thr, Ser, and Gly
66 <220> FEATURE:
67 <221> NAME/KEY: VARIANT
68 <222> LOCATION: (31)..(31)
69 <223> OTHER INFORMATION: Xaa at position 31 is NH2 and Gly-OH
  
```

Xaa can only represent a single amino acid,
 not an amino group.

RAW SEQUENCE LISTING DATE: 02/01/2001
 PATENT APPLICATION: US/09/209,799C TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt
 Output Set: N:\CRF3\02012001\I209799C.raw

```

72 <400> SEQUENCE: 2
W--> 74 Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Xaa Gly
75 1 5 10 15
W--> 77 Gln Ala Ala Lys Xaa Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa
78 20 25 30
80 <210> SEQ ID NO: 3
81 <211> LENGTH: 29
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial
85 <220> FEATURE:
86 <223> OTHER INFORMATION: synthetic construct
88 <220> FEATURE:
89 <221> NAME/KEY: VARIANT
90 <222> LOCATION: (28)..(28)
91 <223> OTHER INFORMATION: Xaa at position 28 is Lys or absent
94 <220> FEATURE:
95 <221> NAME/KEY: VARIANT
96 <222> LOCATION: (29)..(29)
97 <223> OTHER INFORMATION: Xaa at position 29 is Gly or absent; and, if Xaa at position 28 is
98 absent, Xaa at position 29 must be absent
101 <400> SEQUENCE: 3
103 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
104 1 5 10 15
W--> 106 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Xaa Xaa
107 20 25
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 31
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic construct
117 <220> FEATURE:
118 <221> NAME/KEY: VARIANT
119 <222> LOCATION: (1)..(1)
120 <223> OTHER INFORMATION: Xaa at position 1 is 4-imidazopropionyl, 4-imidazoacetyl, or 4-im
121 idazo-a, a dimethyl-acetyl?
124 <220> FEATURE:
125 <221> NAME/KEY: VARIANT
126 <222> LOCATION: (20)..(20)
127 <223> OTHER INFORMATION: Xaa at position 20 is Lys or Arg
130 <220> FEATURE:
131 <221> NAME/KEY: VARIANT
132 <222> LOCATION: (31)..(31)
133 <223> OTHER INFORMATION: Xaa at position 31 is Gly-OH or NH2
136 <400> SEQUENCE: 4
W--> 138 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
139 1 5 10 15
W--> 141 Gln Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa
142 20 25 30

```

FYI: Xaa can only represent a single amino acid

RAW SEQUENCE LISTING DATE: 02/01/2001
 PATENT APPLICATION: US/09/209,799C TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt
 Output Set: N:\CRF3\02012001\1209799C.raw

144 <210> SEQ ID NO: 5
 145 <211> LENGTH: 31
 146 <212> TYPE: PRT
 147 <213> ORGANISM: Artificial
 149 <220> FEATURE:
 150 <223> OTHER INFORMATION: synthetic construct
 152 <220> FEATURE:
 153 <221> NAME/KEY: VARIANT
 154 <222> LOCATION: (2)..(2)
 155 <223> OTHER INFORMATION: Xaa at position 2 is Val
 158 <400> SEQUENCE: 5
 160 His Xaa Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 161 1 5 10 15
 163 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
 164 20 25 30
 166 <210> SEQ ID NO: 6
 167 <211> LENGTH: 29
 168 <212> TYPE: PRT
 169 <213> ORGANISM: Artificial
 171 <220> FEATURE:
 172 <223> OTHER INFORMATION: synthetic construct
 174 <220> FEATURE:
 175 <221> NAME/KEY: VARIANT
 176 <222> LOCATION: (13)..(13)
 177 <223> OTHER INFORMATION: Xaa at position 13 is Glu, Gln, Ala, Thr, Ser or Gly
 180 <220> FEATURE:
 181 <221> NAME/KEY: VARIANT
 182 <222> LOCATION: (19)..(19)
 183 <223> OTHER INFORMATION: Xaa at position 19 is Glu, Gln, Ala, Thr, Ser or Gly
 186 <220> FEATURE:
 187 <221> NAME/KEY: VARIANT
 188 <222> LOCATION: (29)..(29)
 189 <223> OTHER INFORMATION: Xaa at position 29 is Gly or absent
 192 <400> SEQUENCE: 6
 194 Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Xaa Gly Gln Ala
 195 1 5 10 15
 197 Ala Lys Xaa Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa
 198 20 25
 200 <210> SEQ ID NO: 7
 201 <211> LENGTH: 30
 202 <212> TYPE: PRT
 203 <213> ORGANISM: Artificial
 205 <220> FEATURE:
 206 <223> OTHER INFORMATION: synthetic construct
 208 <220> FEATURE:
 209 <221> NAME/KEY: VARIANT
 210 <222> LOCATION: (19)..(19)
 211 <223> OTHER INFORMATION: Xaa at position 19 is Lys or Arg
 214 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 02/01/2001
 PATENT APPLICATION: US/09/209,799C TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt
 Output Set: N:\CRF3\02012001\I209799C.raw

215 <221> NAME/KEY: VARIANT
 216 <222> LOCATION: (30) (30)
 217 <223> OTHER INFORMATION: Xaa at position 30 is Gly or is absent; and Lys at position 27 ma
 218 y be acylate
 221 <400> SEQUENCE: 7
 223 Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly Gln
 224 1 5 10 15
 226 Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa
 227 20 25 30

VERIFICATION SUMMARY

DATE: 02/01/2001

PATENT APPLICATION: US/09/209,799C

TIME: 13:59:41

Input Set : A:\X-10242 Sequence Listing.txt

Output Set: N:\CRF3\02012001\I209799C.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7